



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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"High Frequency Ceramic Solutions"

2.45GHz WLAN/Bluetooth EIA 0603 High Rejection Band Pass Filter P/N 2450BP14F0100 with bottom terminations for reduced footprint

Detail Specification: 5/10/2017

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General Specifications			
Part Number	2450BP14F0100	Reel Quantity	4,000
Frequency (MHz)	2400 ~ 2500	Operating Temperature	-40 to +85°C
Insertion Loss @ BW(dB)	2.5max. (25°C)	Recommended Storage Conditions	+5 to +35°C, 45~75%RH
	2.8max. (-40 to +85)		
Return Loss @ BW(dB)	10 min.	Storage Period	18 months max.*
Attenuation (dB)	40 dB @ < 880~915	Power Capacity	2W max. (CW)
	40 dB @ < 1710~1850	Solder Paste	SAC 305 type is recommended
	40 dB @ < 1850~1910		
	40 dB @ < 1920~1990		
	25 dB @ < 2110~2170		
	30 dB @ < 4800~5000		
20 dB @ < 7200~7500			

*18 months in vacuum sealed bag and 1 week cumulative after opened. For more info:
<https://www.johansontechnology.com/silverleads>

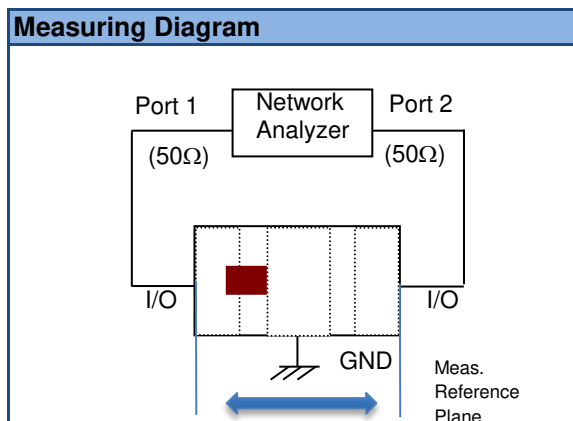
Part Number Explanation				
P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 2450BP14F0100S
		T & R	Suffix = T	eg. 2450BP14F0100T
	Termination style	100% Tin	Suffix = None	eg. 2450BP14F0100 (T or S)
	Evaluation Board 2-port SMA. 50Ω			2450BP14F0100-EB1SMA

Mechanical Dimensions

	In	mm
L	0.063 ± 0.006	1.60 ± 0.15
W	0.031 ± 0.006	0.80 ± 0.15
T	0.024 max.	0.6 max.
a	0.014 ± 0.004	0.35 ± 0.10
b	0.020 ± 0.004	0.50 ± 0.10
c	0.008 + 0.002	0.20 + 0.05

Terminal Configuration

No.	Function
1	IN
2	GND
3	OUT



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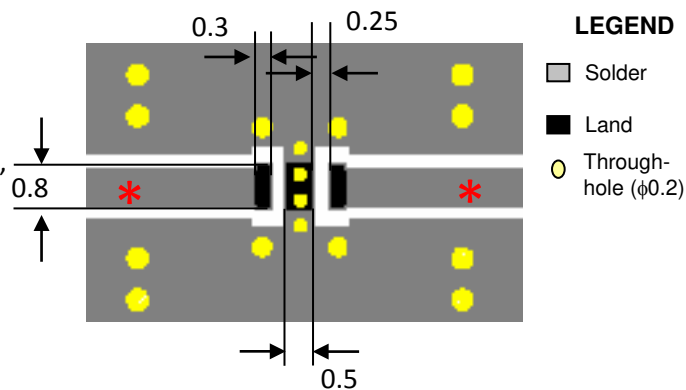
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Mounting Considerations

Mount these devices with brown mark facing up.

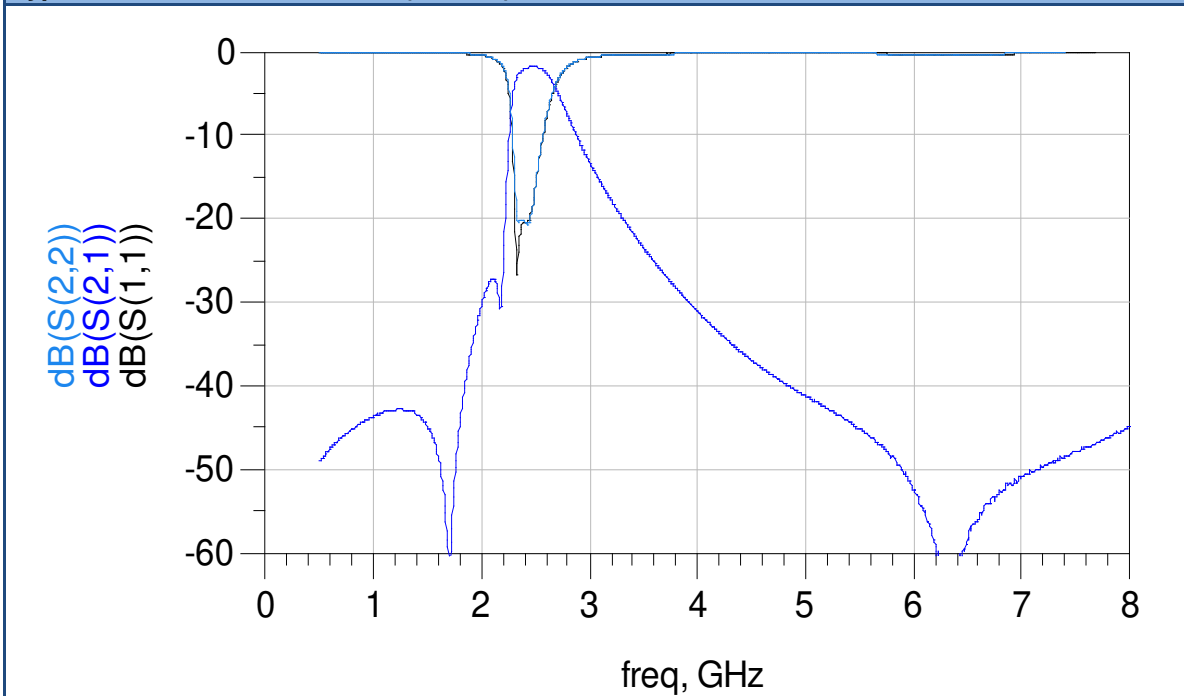
*Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

Units: mm



Soldering Profile: <http://johansontechnology.com/ipcsoldering-profile>

Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.



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RoHS Compliance

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Packaging information

www.johansontechnology.com/tape-reel-packaging

Soldering Information

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Layout Files, s-parameters and any other technical questions

www.johansontechnology.com/ask-a-question

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Recommended Storage Condition and Max Shelf Life

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www.johansontechnology.com/tuning

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